

1ST ENGINEER BRIGADE

DUTY

RESPECT

SELFLESS SERVICE

LOYALTY

HONOR

INTEGRITY

PERSONAL COURAGE



5TH ENGINEER BATTALION



554TH ENGINEER BATTALION



35TH ENGINEER BATTALION



169TH ENGINEER BATTALION



577TH ENGINEER BATTALION



POINTS OF CONTACT

- 1st EN BDE CSM Jones - jonesg@wood.army.mil
- 5th EN BN CSM Cline - clinemi@wood.army.mil
- 35th EN BN CSM Jackson - jacksonlar@wood.army.mil
- 169th EN BN CSM Underberg - underbergr@wood.army.mil
- 554th EN BN CSM Kammerdiener -
kammerdieners@wood.army.mil
- 577th EN BN CSM Dinkins - dinkinsd@wood.army.mil
- S-3 SGM – SGM Meyer – meyerr@wood.army.mil
- DME SGM – SGM Gladden - gladdenm@wood.army.mil



Soldier's Creed

I am an American Soldier.

I am a Warrior and a member of a team. I serve the people of the United States and live the Army Values.

I will always place the mission first.

I will never accept defeat.

I will never quit.

I will never leave a fallen comrade.

I am disciplined, physically and mentally tough, trained and proficient in my warrior tasks and drills. I always maintain my arms, my equipment and myself.

I am an expert and I am a professional.

I stand ready to deploy, engage, and destroy the enemies of the United States of America in close combat.

I am a guardian of freedom and the American way of life.

I am an American Soldier.

WARRIOR ETHOS

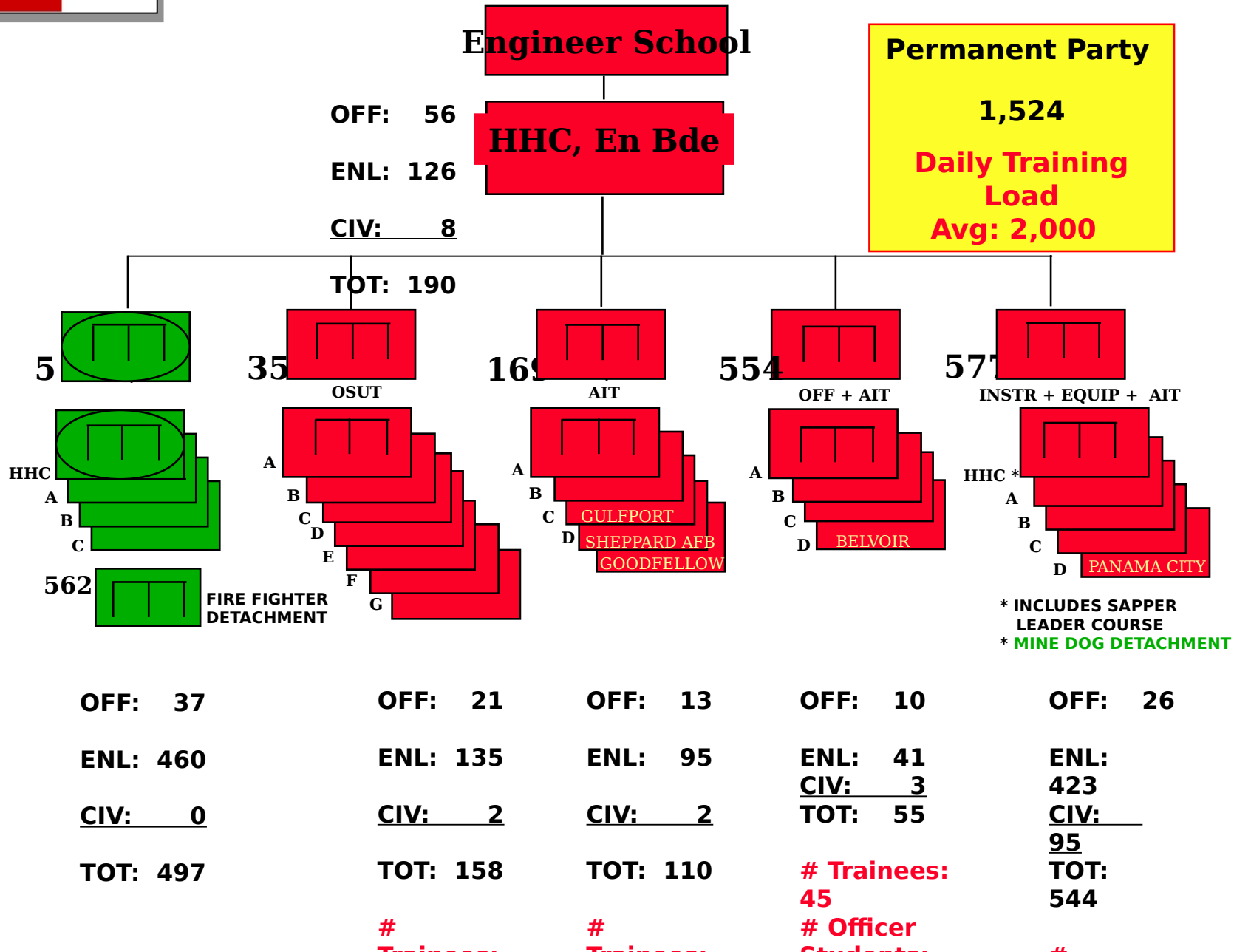


1st ENGINEER BRIGADE MISSION

1ST ENGINEER BRIGADE TRAINS VALUE-BASED AND COMBAT READY SOLDIERS, SAILORS, AIRMEN, MARINES, LEADERS AND UNITS FOR WAR.

ON ORDER SUPPORT RESERVE COMPONENT UNITS, WRITE DOCTRINE AND DEVELOP TRAINING CONCEPTS TO SUPPORT OPERATIONS ON ALL FUTURE BATTLEFIELDS. BE PREPARED TO SUPPORT CONTINGENCIES, MOBILIZATIONS, DISASTER PLANS AND PROVIDE SUBJECT MATTER EXPERTS WORLD WIDE.

ORGANIZATION

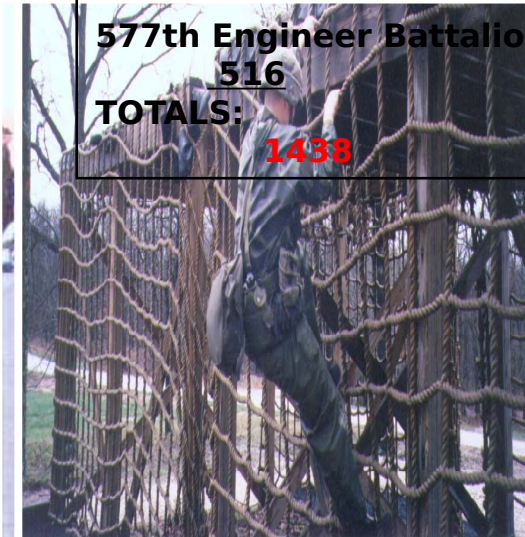


PERMANENT PARTY PERSONNEL STATUS

AS OF 030710



<u>TOTALS</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>
<u>UNIT</u>			
HHC, 1st Bde 190	57	123	10
5th Engineer Battalion 432	36	396	0
35th Engineer Battalion 152	20	130	2
169th Engineer Battalion 99	13	84	2
554th Engineer Battalion	8	38	3
577th Engineer Battalion	22	407	87
<u>516</u>			
TOTALS:	156	1178	104





1st ENGINEER BRIGADE

Initial Entry Training Courses

Located at FLW

<u>MILITARY OCCUPATION SPECIALTY (MOS)</u>	<u>Average # Trained per Year</u>
• 21E - Hvy Construction Equipment Operator	945 (ITRO)
• 21F - Crane Equipment Operator	
185	
• 21G - Quarrying Specialist	78
• 21V - Concrete and Asphalt Specialist	81
• 21J - Gen. Construction Equipment Operator	
493 (ITRO)	
• 21R - Interior Electrician	
151	
• 21T -- Technical Engineering Specialist	
198 (ITRO)	
• 62B - Construction Equipment Repairer	
1,032 (ITRO)	
• 21B - Combat Engineer	
4,800	
• 21C - Bridge Crew Member	380
• ASI-B6 - Combat Engineer Heavy Track	
520	



1st ENGINEER BRIGADE

Initial Entry Training Courses

Located Off-Site

Military Occupation Specialty (MOS)	<u>Off-Site Location</u> (FLW)	<u>Average # Trained per Year</u>
<ul style="list-style-type: none"> • 21D - Diver (Phase 1) 134 (Phase 2) 	(Panama City, FL)	
<ul style="list-style-type: none"> • 21K - Plumber 130 	(Sheppard AFB, TX)	
<ul style="list-style-type: none"> • 15H - Pneudraulic Spec* 88 	(Sheppard AFB, TX)	
<ul style="list-style-type: none"> • 52G - Transmission & Distribution 10 (ITRO) Electrical Spec** 	(Sheppard AFB, TX)	
<ul style="list-style-type: none"> • 21U - Topographic Analyzer 	(Ft Belvoir, VA)	105
<ul style="list-style-type: none"> • 21L - Lithographer 	(Ft Belvoir, VA)	40
<ul style="list-style-type: none"> • 21S - Geodetic Surveyor 30 	(Ft Belvoir, VA)	
<ul style="list-style-type: none"> • 21W - Carpentry & Masonry Spec 	(Gulfport, MS)	

1st ENGINEER BRIGADE Officer/Leader Training Courses Located at FLW



- **Engineer Officer Basic Course** **650**
- **Engineer Captain's Career Course** **540**
- **Warrant Officer Basic/Adv Courses** **140**
- **Sapper Leader Course** **161**

TASK-ORGANIZED MISSION & ORGANIZATION ALIGNMENT



COMMANDANT

T

AC

**Train the Regiment
Transform the
Regiment
Take Care of the
Regiment**

1st En Bde Cdr

**Train & Develop
Soldiers, Sailors,
Airmen, Marines &
Leaders**

**TF 21B/C
(35th Cdr)**

**Train &
Develop
Combat
Engineer &
Bridge
Crewmember
Warrior
Soldiers
21B/C**

**TF Vertical
(169th Cdr)**

**Train &
Develop
Vertical Skills
MOS Warrior
Soldiers
21R
21T
21K
15H
21W**

**TF
Horizontal
(577th**

**Train &
Develop
Horizontal
Skills MOS
Warrior
Soldiers**

21D
21E
21F
21G
21V
21I

**TF Platoon
Leader
(554th Cdr)**

**Train &
Develop
Engineer
Platoon
Leaders
(Company
Cdrs)**

21U

****Support Training for:
EOBC, WOBC/AC, ANCOC,
BNCOC; Owns SLC, MDD**

5th EN BN

**Train &
Prepare for
War**

1

**1st Brigade Area
(35th, 169th &
577th Engineer
Battalions)**

**5th
Engineer
Battalion**



**Sapper
Leader
Course**

**554th
Engineer
Battalion**

**Forney
DZ**

**TA 250
Pond 21C
AIT**

**TA 244 Million \$
Hole**

**Brown
Hall
21R-21T**

**21E-21J-21F-62B
12B-12C-ASI B6
919A**

**TA 256
Quarry 21G-
21H**

**Range 33
DEMO**

**CET; 21B-
21C**

**TA 206, 21B
AIT**

**TA 211, 21C
AIT**

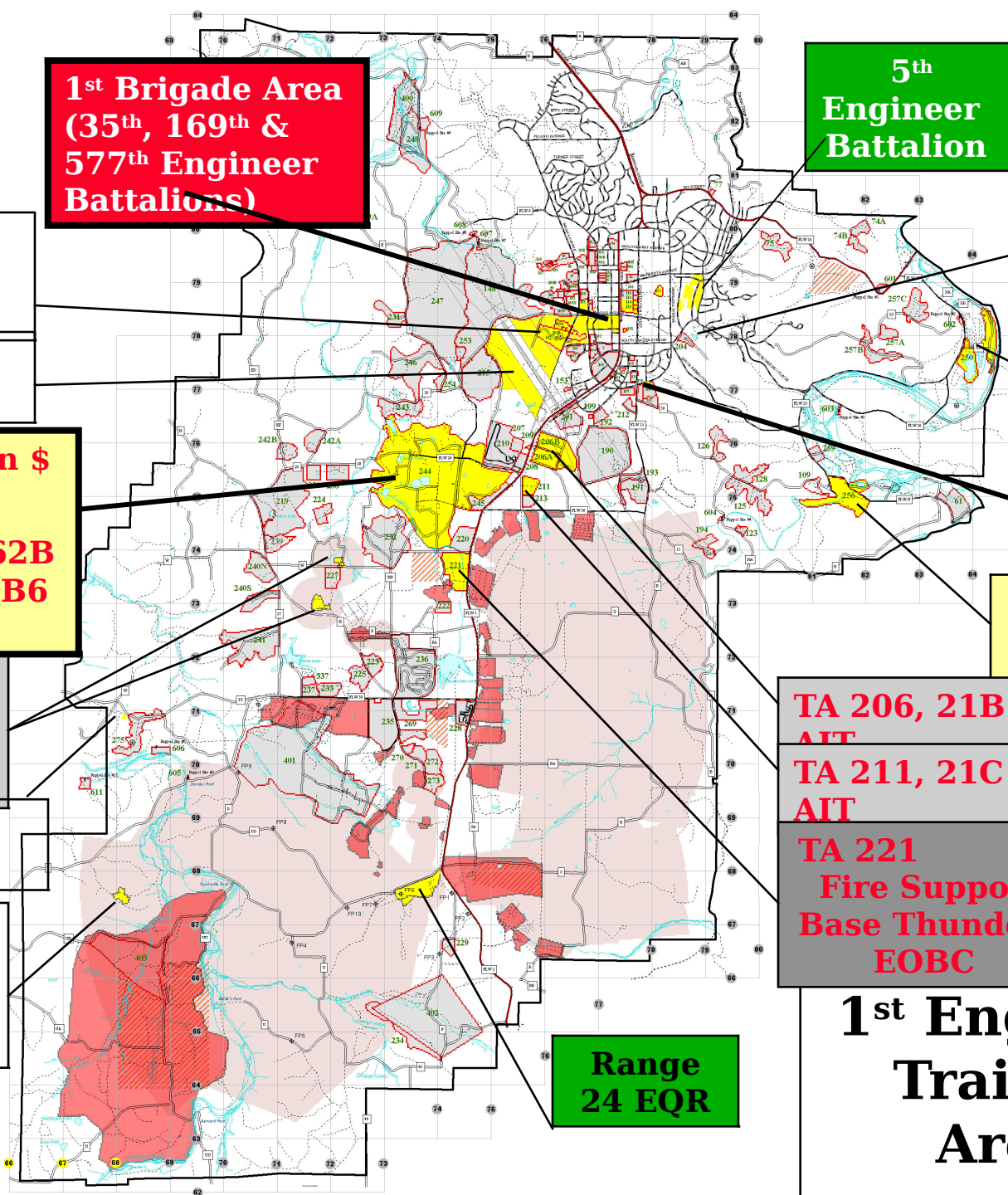
**Sapper Base
Camp**

**TA 221
Fire Support
Base Thunder,
EOBC**

**Range 38
Sapper
Leader
Course**

**Range
24 EQR**

**1st Engr Bde
Training
Areas**



ONE STATION UNIT TRAINING MOS 12B/C KEY GRADUATION REQUIREMENTS



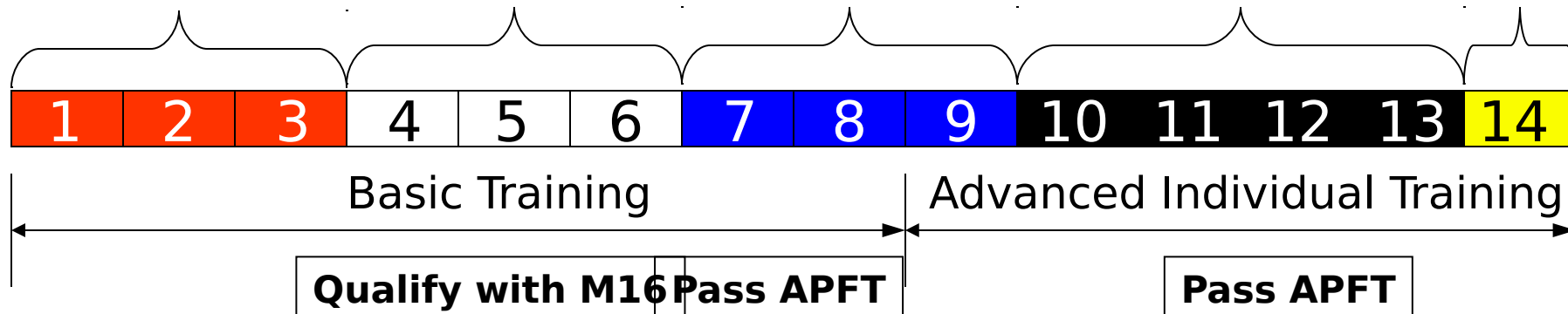
PHASE I

PHASE II

PHASE III

PHASE IV

PHASE V



Demonstrate Knowledge of Army Core Values

Work as a Team Member

Pass all Phase Tests

Complete Protective Mask Confidence Course

Throw 2 Live Grenades & Complete Hand Grenade Course

Qualify Complete Hand-to-Hand Training

Complete all Foot Marches

Complete all MOS Technical Training and Pass all Tests

Pass EOCT

Complete Warrior Tower, Obstacle & Confidence Courses

Complete Bayonet & Pugil Training

Complete Tactical Training & CEFTX

21B/C OSUT - PHASE I (RED)



RECEPTION AND INTEGRATION



DC-8 COMPETITION



WARRIOR TOWER

WEEK 1

- WELCOME TO THE ARMY
- INTRO. TO CORE VALUES
- VALUES - LOYALTY
- DIAGNOSTIC APFT
- UCMJ/EQUAL OPPORTUNITY/
PREVENTION OF SEXUAL
HARASSMENT
- PERSONAL AFFAIRS
- ARMY HERITAGE & TRADITION
- APPROPRIATE BEHAVIOR
- MILITARY CUSTOMS &
COURTESIES
- THREAT/ LAW OF LAND WARFARE
- HEALTH/HYGIENE
- DRILL & CEREMONY

WEEK 2

- VALUES - DUTY
- 3KM FOOT MARCH
- PHYSICAL ENDURANCE
COURSE 1
- MANAGE PERSONAL FINANCE
- INSPECTION 1
- NBC DEFENSE
- MAP READING/LAND
NAVIGATION
- FIRST AID
- DRILL & CEREMONY

WEEK 3

- VALUES - RESPECT
- WARRIOR TOWER
- TEAMWORK DEVELOPMENT
- GUARD DUTY
- BASIC MILITARY
COMMUNICATIONS
- INSPECTION 2
- INDIVIDUAL TACTICAL
TRAINING
- DRILL & CEREMONY
COMPETITION
- **PHASE I TEST**
- APFT

21B/C OSUT - PHASE II (WHITE)



BASIC RIFLE MARKSMANSHIP



OBSTACLE COURSE



ROAD MARCH

WEEK 4

- **VALUES - SELFLESS SERVICE**
- **5KM FOOT MARCH**
- **BASIC RIFLE MARKSMANSHIP**

WEEK 5

- **VALUES - HONOR**
- **PHYSICAL ENDURANCE COURSE II**
- **8KM FOOT MARCH**
- **RIFLE QUALIFICATION**

WEEK 6

- **VALUES - INTEGRITY**
- **PHASE II APFT**
- **INDIVIDUAL TACTICAL TRAINING**
- **UNIFORM FIT**
- **US WEAPONS**
- **HAND GRENADES**
- **PHASE II TEST**

21B/C OSUT - PHASE III (BLUE)



HAND TO HAND



LAND NAVIGATION



DEMO (ROAD CRATER)

WEEK 7

- **VALUES - PERSONAL COURAGE**
- **10KM FOOT MARCH (X2)**
- **PHYSICAL ENDURANCE COURSE 3**
- **CONFIDENCE OBSTACLE COURSE**
- **HAND TO HAND COMBAT**
- **FIRE AND MANEUVER COURSE**
- **NIGHT INFILTRATION COURSE**
- **INSPECTION 3**

WEEK 8

- **VALUES SUMMARY**
- **PHASE III APFT**
- **RIFLE/BAYONET TRAINING/PUGIL STICKS**
- **INSPECTION 4**
- **END OF CYCLE TEST (EOCT)**

WEEK 9

(ENGINEER TRAINING STARTS HERE)

- **ACCIDENT AVOIDANCE**
- **BASIC DEMOLITIONS**
- **BOOBY TRAPS**
- **KNOTS**
- **LIGHT DEMO**

21B/C OSUT - PHASE IV (BLACK)



MINE WARFARE

WEEK 10

- HEAVY DEMOLITIONS
- BAILEY BRIDGE
- BASIC MINE WARFARE

WEEK 11

- WIRE OBSTACLES
- MINEFIELD BREACHING & MARKING
- MINE CLEARING CHARGE
- HORNET/MOPMS/VOLCAN O
- MEDIUM GIRDER BRIDGE/VEHICLE OPERATIONS (12C)



DEMO (ROAD CRATER)



12C - LAUNCH
BAFT

WEEK 12

- EMPLACE/BREACH OBSTACLE
- RIGGING
- MOUT
- PHASE IV APFT (ARMY STDS.)
- LAUNCH RIBBON BRIDGE (12C)

WEEK 13

- 15KM FOOT MARCH
- BIVOUAC
- 5-DAY FIELD TRAINING EXERCISE
- END OF COURSE COMPREHENSIVE TEST (EOCCT)
- BRIDGE ERECTION BOAT/RIBBON BRIDGE (12C)

21B/C OSUT - PHASE V (GOLD)



RITE OF PASSAGE



RITE OF PASSAGE

WEEK 14

- CEFTX/RECOVERY
- BATTALION RUN
- RITES OF PASSAGE
- FAMILY BRIEFINGS
- BATTALION RUN
- GRADUATION!



GRADUATION



FAMILY BRIEFINGS



"PIN THE CASTLE ON MY COLLAR..."

END STATE

SOLDIERS WHO ARE:

- COMBAT READY
- VALUES BASED
- TECHNICALLY/TACTICALLY PROFICIENT
- PHYSICALLY, MENTALLY, AND SPIRITUALLY FIT
- WARRIOR-SPIRITED MEMBERS OF THE REGIMENT

TYPICAL DAILY SCHEDULE



0430	WAKE UP
0450	ACCOUNTABILITY FORMATION
0500-0600	PHYSICAL FITNESS TRAINING
0600-0630	PERSONAL HYGIENE / BARRACKS MAINT
0630-0730	BREAKFAST (20 Min/Co)
0730-0800	MOVEMENT TO TRAINING
0800-1700	TRAINING
1700-1730	MOVEMENT FROM TRAINING
1730-1900	DINNER MEAL
1900-2000	BARRACKS MAINT / QML / LINEN / PREP
2000-2100	PERSONAL TIME / HYGIENE TIME
2100	LIGHTS OUT



1st ENGINEER BRIGADE

Military Occupational

Specialties

• Warrant Officer Advanced and Basic Course

• Sapper Leader Course

• 18 MOSs Trained on 7 Installations:

- FLW, MO
- Sheppard AFB, TX
- Goodfellow AFB, TX
- Fort Belvoir, VA
- Gulfport, MS
-

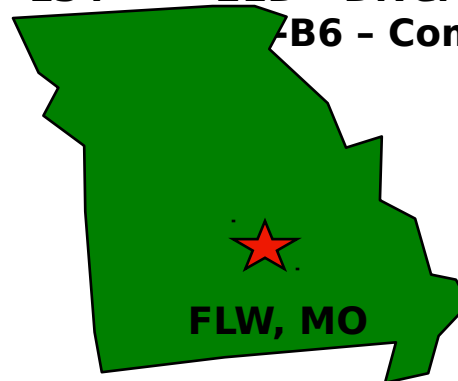


12 MOSs Taught at FLW



AVG Trained Per Year

- 920 -- 21E - Heavy Construction Equipment Operator
- 193 -- 21F - Crane Equipment Operator
- 92 -- 21G - Quarrying Specialist
- 104 -- 21V - Concrete and Asphalt Specialist
- 521 -- 21J - General Construction Equipment Operator
- 236 -- 21R - Interior Electrician
- 230 -- 21T -- Technical Engineering Specialist
- 1220 -- 62B - Construction Equipment Repairer
- 3381 -- 21B - Combat Engineer
- 412 -- 21C - Bridge Crew Member
- 134 -- 21D - Diver (Phase 1)
- 1 -- B6 - Combat Engineer Heavy Track



21B COMBAT ENGINEER



*** Course Length: 14 Weeks**

Class Starts / Yr: 23

21C BRIDGE CREW MEMBER



*** Course Length: 14 Weeks**

Class Starts / Yr: 23

1

21E (ITRO) HEAVY CONSTRUCTION EQUIPMENT OPERATOR



*** Course Length: 7 Weeks, 2 Days Class Starts / Y**

62B(ITRO) CONSTRUCTION EQUIPMENT REPAIRER



*** Course Length: 8 Weeks Class Starts / Yr: 34**

21F CRANE OPERATOR



*** Course Length: 5 Weeks, 3 Days Class Starts / Y**

1

21J (ITRO) GENERAL CONSTRUCTION EQUIPMENT OPERATOR



*** Course Length: 5 Weeks, 4 Days Class Starts / Y**

1

21N4HC3



*** Course Length: 4 Weeks Class Starts / Yr: 4**

1

21V CONCRETE AND ASPHALT EQUIPMENT OPERATOR



*** Course Length: 4 Weeks Class Starts / Yr: 6**

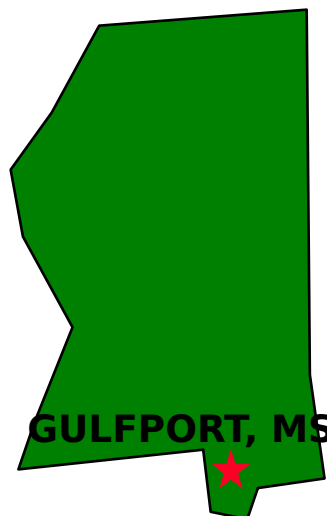
21G QUARRYING SPECIALIST



*** Course Length: 5 Weeks Class Starts / Yr: 8**

1

21W(ITRO) CARPENTRY AND MASONRY SPECIALIST



*** Course Length: 7 Weeks, 3 Days Class Starts / Y**

1

21R INTERIOR ELECTRICIAN

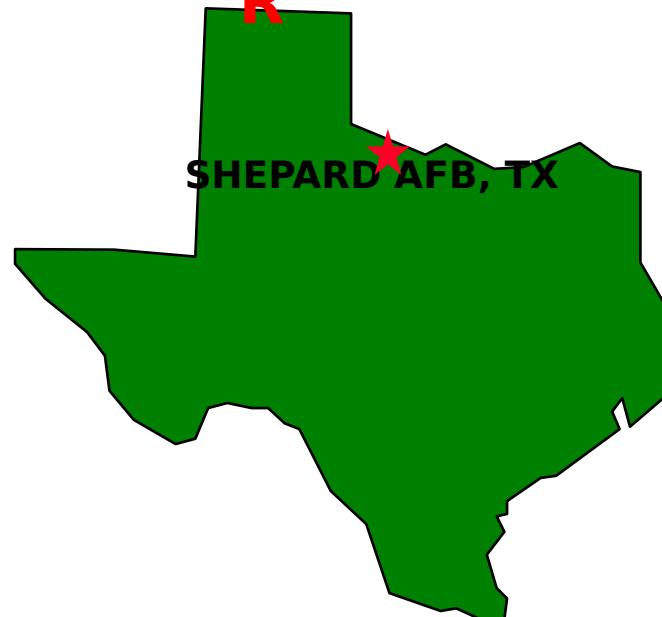


*** Course Length: 5 Weeks, 3 Days Class Starts / Y**



**21K(ITR
O)
PLUMBER**

*** 5 Weeks, 1 days
21 Class Starts**



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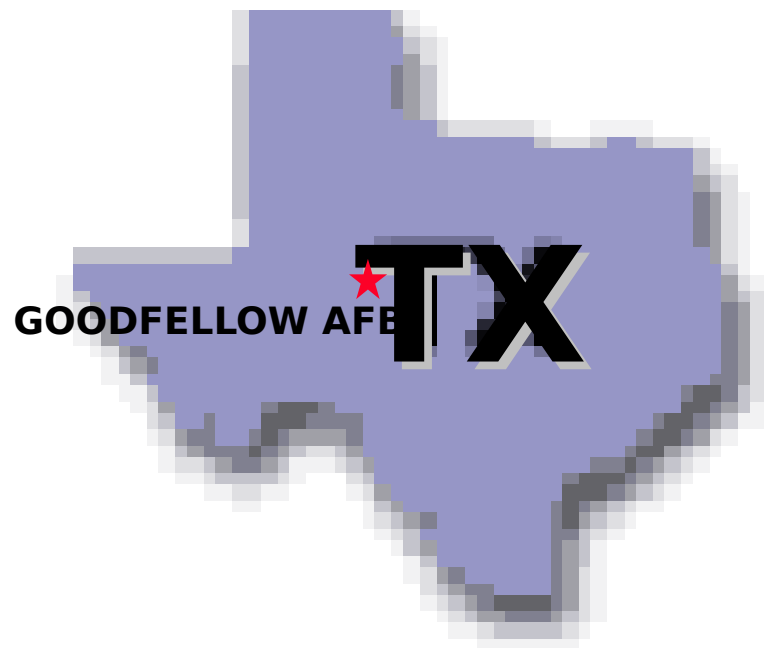
21T (ITRO) TECHNICAL ENGINEERING SPECIALIST



*** Course Length: 14 Weeks, 4 Days Class Starts / Y**

1

21M FIREFIGHTER (ITRO)



*** Course Length: 13 Weeks, 1 Day Class Starts / Y**

1

21D DIVER



PHASE 1



PHASE 2

* Course Length: 2 Weeks, 4 Days Class Starts / Y

21U TOPO ANALYZER



* 21 Weeks
7 Class Starts

- Satellite Imagery
- GIS
- Manual Cartography



Printing & Binding

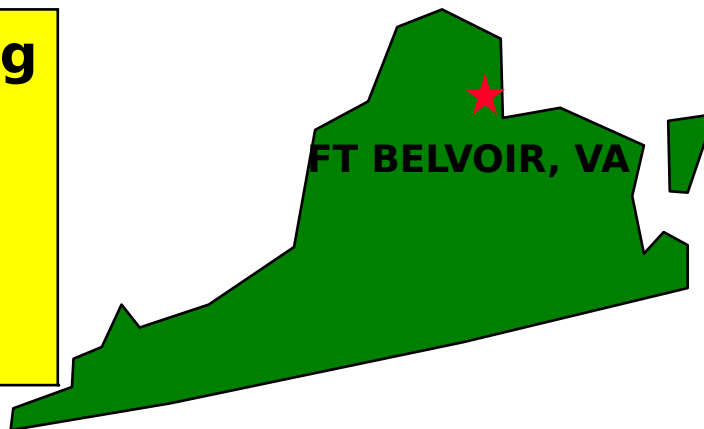
- Maps
- Books
- Flyers



21L

LITHOGRAPHER

* 21 Weeks
4 Class Starts



21S

GEODETIC SURVEYOR

* 21 Weeks
2 Class Starts

Warrior Core Tasks (TF Soldier)



Every Soldier ...

~40 Warrior Tasks

Shoot (17-25 Tasks)

- Engage targets with M16-series rifle or M4/M4A1 carbine
- Correct malfunctions of a M16-series rifle or M4/M4A1 carbine
- Engage targets with M240B MG
- Engage targets with M60 or M249 MG
- Engage targets with M2 Cal. 50 MG
- Engage targets with MK-19 MG
- Correct malfunctions of a MG (M2, M240B, M249, MK-19)
- Engage targets with weapon using a night vision sight (AN/PVS-4, AN/PAS-13, AN/TVS-5)
- **Engage targets using an aiming light (AN/PEQ-2A, AN/PAQ-4)**
- Employ mines and hand grenades

Communicate (2-3 Tasks)

- Perform voice communications (analog & digital)
- Use visual signaling techniques

Urban Operations (4 Tasks)

- **Perform movements techniques during an urban operation**
- **Engage targets during an urban operation**
- **Enter a building during an urban operation**
- **Execute a mechanical breach during an urban operation**



Move (7-8 Tasks)

- Determine location on ground (terrain association, map, & GPS)
- Navigate from one point to another (dismounted & mounted)
- Move over, through, or around obstacles (except minefields)
- **Prepare/operate a vehicle in a convoy**

Survive (15 Tasks)

- React to chemical or biological attack/hazard
- Decontaminate yourself & individual equipment using chemical decontaminating kits
- Evaluate a casualty
- **Perform first aid for open wound (abdominal, chest, & head)**
- **Perform first aid for bleeding of extremity**
- Move under direct fire
- React to indirect fire (dismounted & mounted)
- React to direct fire (dismounted & mounted)
- Select temporary fighting position
- **React to unexploded ordnance hazard**
- **React to man-to-man contact (Combatives)**
- Maintain Equipment

• Indicates new task

LTG Wallace IET Brief

Core Warrior Drills that BCT Must Train



Every Soldier ...

~9 Battle Drills

- React to contact (visual, IED, direct fire [includes RPG])
- **Avoid ambush/contact (Every soldier a sensor)**
- **React to ambush (blocked & unblocked)**
- React to indirect fire
- React to chemical attack
- **Break contact**
- **Dismount a vehicle**
- **Evacuate injured personnel from vehicle**
- **Secure at a halt**

**Red tasks not currently
trained in BCT**

IET Review TF

Increasing Rigor

BCT Graduation Requirements



60/60/60 (180) on the APFT

Successfully complete obstacle, confidence tower, conditioning courses

BRM: Day, **Night (Mechanical Sights) and NBC Standard**

Qualify on the Hand Grenade Course

Combatives (Achieve Clinch 4 times)

Advanced First Aid

Demonstrate proficiency with 40 Individual tasks and 9 Battle drills

Completes NBC Confidence Course (chamber)

Successfully complete land navigation course

Complete all requirements for the road marches (culminating 15k foot march)

Night Infiltration Course

Live fire tactical maneuver as a member of a team

Successfully complete the final FTX

Bold/Red is new requirement

Urban Operations (Enter/clear room; move thru/fight in urban

IET Review TF

From First Aid to First Responder



Current BCT First Aid Training

FA 2/ RESTORE BREATHING	3.5
FA 3/ CONTROL BLEEDING	2.5
FA 1/ EVALUATE CASUALTY	2.5
FA 4/ TREATMENT OF BURNS	5
FA 5/ SPLINT A FRACTURE	2
FA 8/ TRANSPORT A CASUALTY	1
FA 6/ PREVENTIVE MEDICINE	1
TOTAL	14

Proposed BCT First Responder Training

Prevent/Treat Environmental Injuries	2
Treat Chemical Agent	2
Evaluate a Casualty	2.5
Manage Airway	4
Control Bleeding and Treat Burns	2.5
Prevent/Control Shock	1.5
Treat Fractures	2
Transport a Casualty	1.5
Capstone Event	4
Total	22

***One of the recurring lessons learned from OIF/OEF is that...
Our soldiers must be better prepared to save lives during combat.***



From the field... Drill Sergeants and Soldiers

“What would you change in BCT?”

More Field time

- Urban and Convoy Ops
- Patrolling
- More night training
- Checkpoint operations

More Weapons training

- M2 – primary vehicle weapon
- More weapons maintenance and malfunctions training
- Weapons qualification... not familiarization

Survival in Combat

- Combat Lifesaver
- Combatives
- Field sanitation: “burn shit”
- Field hygiene
- IEDs

Change Garrison Focus

- Less D&C
- No need for Bayonet Training
- Fewer classes
- More leadership opportunities
- Weapons issued from Day 1

Focus on what counts
1. Accomplish the Mission
2. Stay Alive

Source:
OIF/OEF Cdrs, NCOs, soldiers
DS deployed to Iraq



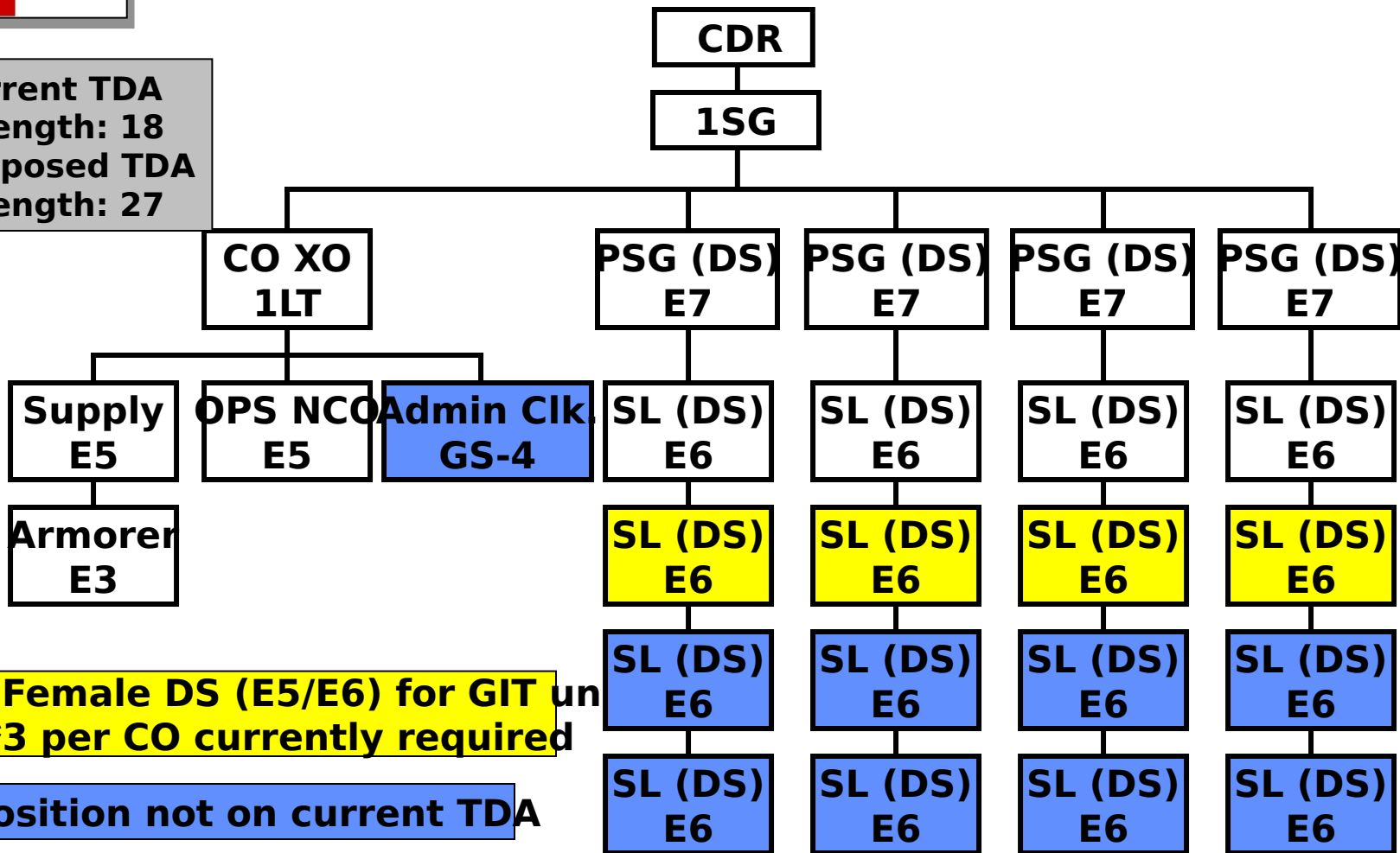
Instilling the Warrior Culture in Volunteers



Proposed BCT/OSUT Company Structure (Applies to all COAs)



**Current TDA
strength: 18
Proposed TDA
strength: 27**

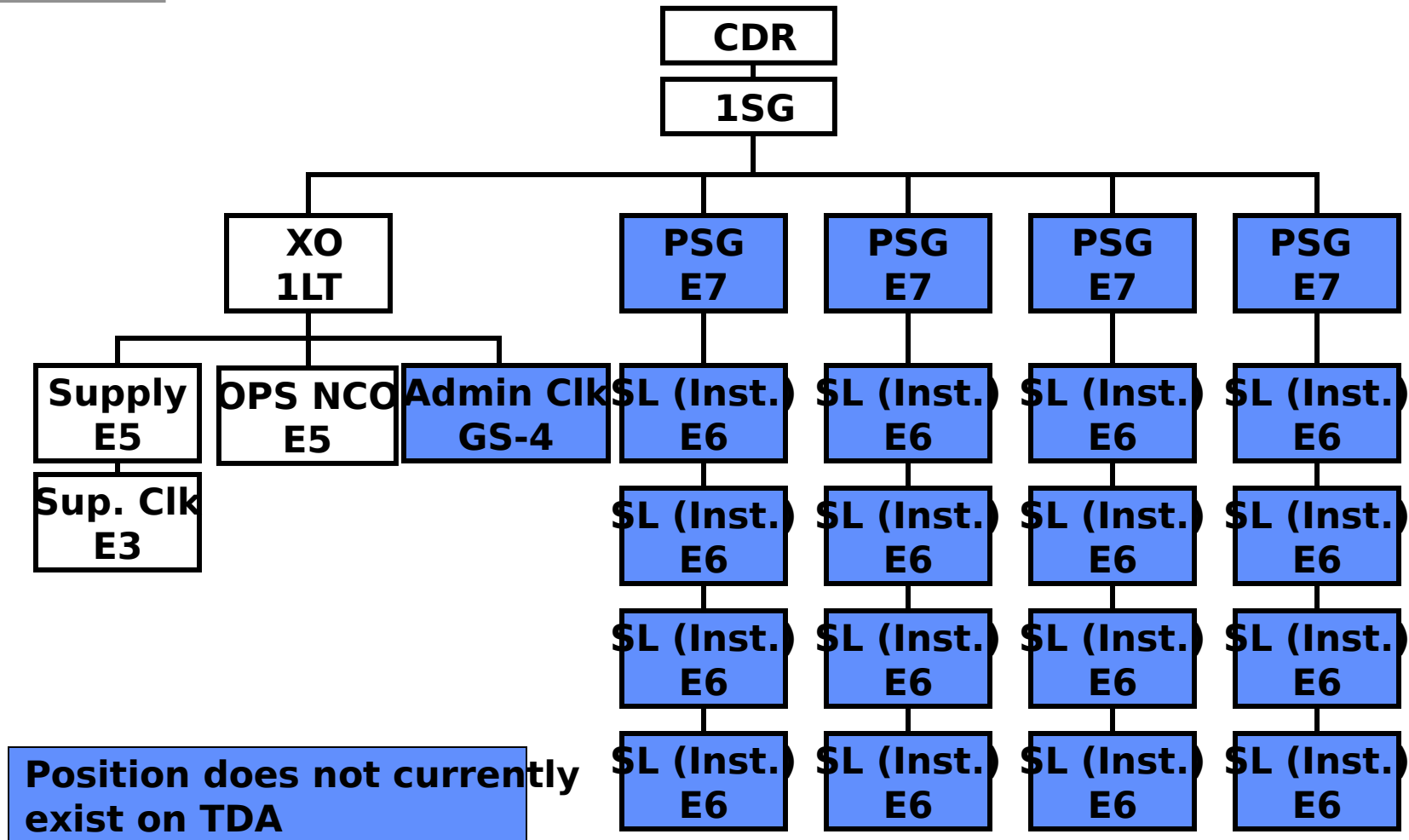


• BCT DS are currently 33% Inf, 17% other CA, 25% CS, 25% CSS. Intent is for 20% infantry - other percentages to be determined by TRADOC

• OSUT DS are MOS/CMF being trained; OSUT DS will be trainers/instructors

• E5s can fill E6 positions (max of 4) remain E6 on TDA

Proposed AIT Company Structure (Applies to all COAs)



- PSGs are permanent Company positions. Number of Platoons will vary by AIT type and class size with max of 5 Platoons per Company. Intent is for SL/PVT ratio to be 1:10
- Squad Leaders are dual-hatted as instructors and numbers are based on



QUESTIONS?